



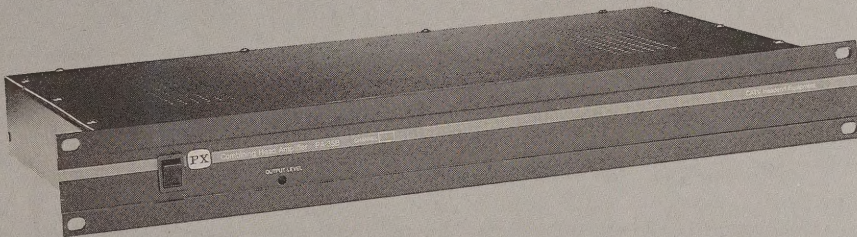
Priority in Service Quality

**CABLE TV SYSTEMS**

Headend Equipment

## **Model: PA-35B COMBINING HEAD AMPLIFIER**

**Automatic Gain Control Circuit  
Super Low Noise design**

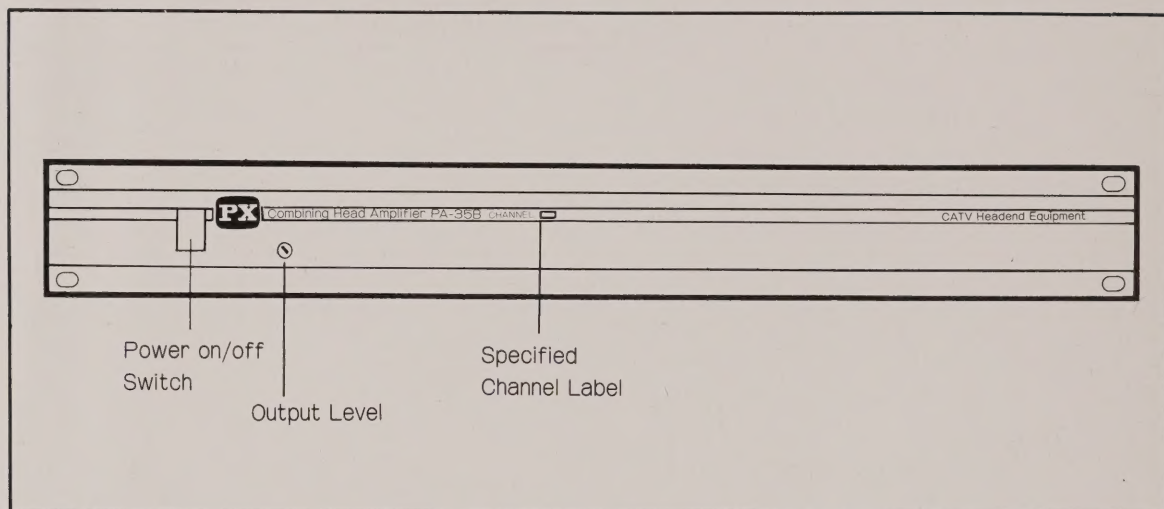


**PA-35B**

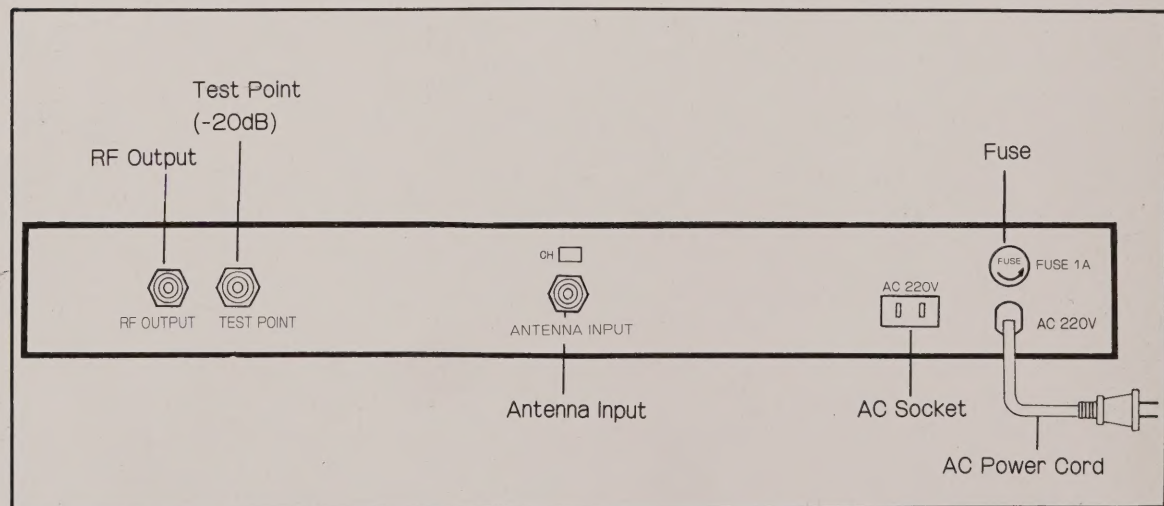
### **FEATURES:**

1. The PA-35B Combining Head Amplifier is ideally suited as a Headend amplifier for Building/Hotel and all cable TV systems.
2. High gain 35dB and super low noise, designed for all standard VHF channels of off-air.
3. Up to three channel amplifiers can be assembled into one chassis.
4. Built-in diplex filter to eliminate the interference from off-air.
5. Advanced automatic gain control circuit.
6. High max. output level 105dB  $\mu$ V
7. Separate three output level control for the adjustment of each channel.
8. Easy installation can be equipped in a 19 inches standard equipment cabinet.

## PA-35B Functions in the Front Panel



## PA-35B Functions in the Rear Panel





## PA-35B INSTALLATION

1. Plug the AC power cord into the AC outlet.
2. Open the power switch to turn the unit on. (power indicator light on).
3. The AC socket may supply paralleled AC power source for another unit plug in. (not through the inner fuse and power switch).
4. According to the designated channel's indication connect separately the VHF channel signal to the Terminals of each ANTENNA INPUT.
5. Connect RF OUTPUT signal to system combining network (CN-450/CN-550).
6. TEST POINT ( $-20\text{dB}$ ) is used for testing the output signal level.
7. OUTPUT LEVEL is used for adjusting the output signal level. (PA-35 standard input level is  $+10\text{dBmV}/70\text{dB}\mu\text{V}$ , standard output level is  $+45\text{dBmV}/105\text{dB}\mu\text{V}$ , according to the specified channel label for adjusting the output signal level).
8. PA-35B has to be equipped in a 19 inches standard equipment cabinet (CA-100). Also in an air-conditioned and well ventilated room.

## PA-35B Channel Chart

### PAL B SYSTEM

Channel No.	Video (MHz)	Audio (MHz)
2	48.25	53.75
3	55.25	60.75
4	62.25	67.75
5	175.25	180.75
6	182.25	187.75
7	189.25	194.75
8	196.25	201.75
9	203.25	208.75
10	210.25	215.75
11	217.25	222.75
12	224.25	229.75

### NTSC SYSTEM

Channel No.	Video (MHz)	Audio (MHz)
2	55.25	59.75
3	61.25	65.75
4	67.25	71.75
5	77.25	81.75
6	83.25	87.75
7	175.25	179.75
8	181.25	185.75
9	187.25	191.75
10	193.25	197.75
11	199.25	203.75
12	205.25	209.75
13	211.25	215.75

Please specify the required channel when ordering.

# PA-35B COMBINING HEAD AMPLIFIER

## SPECIFICATIONS:

Items	Specifications
Input Channel	PAL B SYSTEM CH2-CH12, NTSC SYSTEM CH2-CH13 All standard VHF channels (specify channel required)
Input Level	+10dBmv ~ +30dBmv(70 ~ 90dB $\mu$ v)
Output Level	+45dBmv (105dB $\mu$ v) Max.
Gain	35dB
AGC Range	0-30dB
Output Level Control Range	10dB (95dB $\mu$ v ~ 105dB $\mu$ v)
Noise Figure	4-9dB
Frequency Response	$\pm$ 1dB
Cross Modulation	>54dB
Input Impedance	75 ohm
Output Impedance	75 ohm
VSWR (Output)	1.5 nom.
Temperature Range	5° C ~ 40° C
Dimensions	480(W)x292(D)x56(H)mm
Weight	3.7kgs
Power Requirement	AC220V +10%, 50Hz 15W or AC110V +10%, 60Hz 15W